

Title (en)
MULTIPLE LASER BEAM SCANNING OPTICS

Publication
EP 0412037 A3 19910911 (EN)

Application
EP 90480087 A 19900619

Priority
• US 38854489 A 19890801
• US 44508589 A 19891201

Abstract (en)
[origin: EP0412037A2] A multiple laser beam scanning optical system for correcting monochromatic and polychromatic aberrations comprising a doublet cylindrical lens (25) for receiving the multiple beams and directing them to a rotating polygonal mirror (26). Scanning lens means are located to receive the beams from the mirror and direct them to the image plane (32). The scanning lens (27, 29) is comprised of at least one doublet wherein both elements have approximately the same index of refraction, but different dispersion factors at a nominal wavelength.

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H04N 1/12; **G02B 26/10**

IPC 8 full level
H04N 1/113 (2006.01); **H04N 1/191** (2006.01)

CPC (source: EP US)
G02B 13/0005 (2013.01 - EP); **G02B 26/123** (2013.01 - EP); **G02B 26/124** (2013.01 - EP); **G02B 27/0031** (2013.01 - EP);
H04N 1/1135 (2013.01 - EP US); **H04N 1/1911** (2013.01 - EP US)

Citation (search report)
• [A] EP 0121033 A2 19841010 - IBM [US]
• [A] GB 2061662 A 19810513 - CANON KK
• [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 133 (P-693) 22 April 1988, & JP-A-62 254110 (FUJI XEROX) 5 November 1987,
• [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 194 (P-713) 7 June 1988, & JP-A-62 299927 (NIPPON KOGAKU) 26 December 1987,
• [A] H.Naumann: "OPTIK FÜR KONSTRUKTEURE" 1960, WILHELM KNAPP VERLAG, DÜSSELDORF
• [A] J.Flügge: "STUDIENBUCH ZUR TECHNISCHEN OPTIK" VANDENHOEK UND RUPRECHT, GÖTTINGEN

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DE FR GB IT

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